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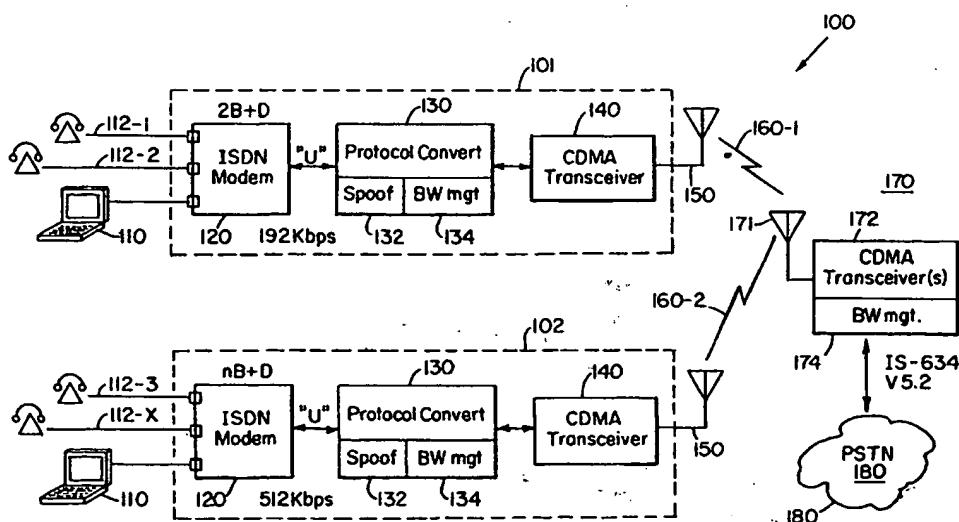
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(21) International Application Number: PCT/US98/12740 (22) International Filing Date: 18 June 1998 (18.06.98) (30) Priority Data: 60/050,338 20 June 1997 (20.06.97) US 60/050,277 20 June 1997 (20.06.97) US 08/992,760 17 December 1997 (17.12.97) US (71) Applicant: TANTIVY COMMUNICATIONS, INC. [US/US]; Suite 300, 2200 Front Street, Melbourne, FL 32901 (US). (72) Inventors: GORSUCH, Thomas, E.; 530 Franklin Avenue, Indialantic, FL 32903 (US). AMALFITANO, Carlo; 705 Riverside Drive, Melbourne Beach, FL 32951 (US). (74) Agents: THIBODEAU, David, J., Jr. et al.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02173 (AU).		(43) International Publication Date: 30 December 1998 (30.12.98)
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(54) Title: DYNAMIC BANDWIDTH ALLOCATION TO TRANSMIT A WIRELESS PROTOCOL ACROSS A CODE DIVISION MULTIPLE ACCESS (CDMA) RADIO LINK



(57) Abstract

A technique for transmission of wireless signals across CDMA radio links. Bandwidth is allocated dynamically within a session to specific CDMA subscriber unit based upon data rate determinations. Specifically, a dynamic bandwidth allocation algorithm operates from limits calculated based upon available ports per subscriber, expected user bandwidth, and parallel user bandwidth versus throughput. Provisions for priority service, unbalanced forward and reverse spectrum utilization, voice prioritization, and band switching are also made.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 6 H04Q7/22		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 6 H04Q H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 682 423 A (AT & T CORP) 15 November 1995 see column 1, line 43 - line 57 see column 5, line 53 - column 8, line 1 see column 9, line 5 - line 11 see figure 5 ---	1-5,7,8, 10,11
X	EP 0 719 062 A (AT & T CORP) 26 June 1996 see column 1, line 39 - column 2, line 35 see column 3, line 48 - line 54 see column 4, line 31 - line 53 see column 5, line 10 - line 15 see column 8, line 37 - column 10, line 5 see claims 1-8 --- <div style="text-align: center;">-/--</div>	1,4,5,7, 8,10,11
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center;">10 December 1998</div>		Date of mailing of the international search report <div style="text-align: center;">17/12/1998</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center;">CASALS CASTANE, J</div>

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Information on patent family members

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